PENTAHO EMBEDDED WORKSHOP

Install Guide

Version 1.0

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Overview

This document is intended to guide you in installing the Pentaho Embedded workshop. The workshop is about integrating Pentaho inside another application via iFrames.

Software	Version
Pentaho BA Server	8.0

In this workshop, we'll guide you in the code needed to integrate Pentaho into your application via iFrame. Any code showed in this workshop is not to be considered production-ready by any means, and is is **not supported**.
It's only meant for educational purposes.

Install using CBF2

Docker Installation

Thanks to João Gameiro for this guide

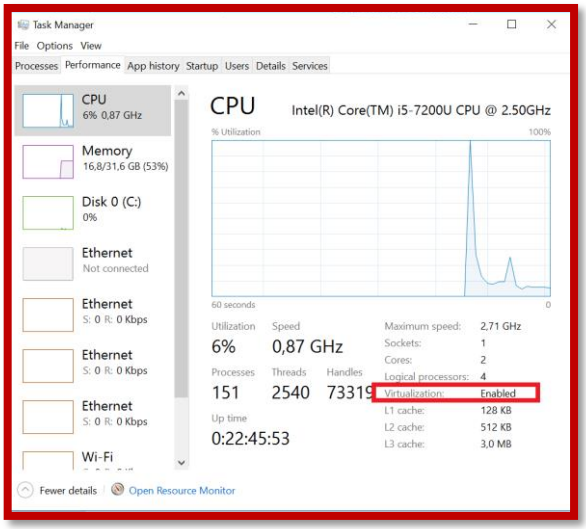
If you have already configured CBF2 in your computer skip to Create Project

Download Docker CE Windows

https://store.docker.com/editions/community/docker-ce-desktop-windows?tab=description

Check if virtualization is enable

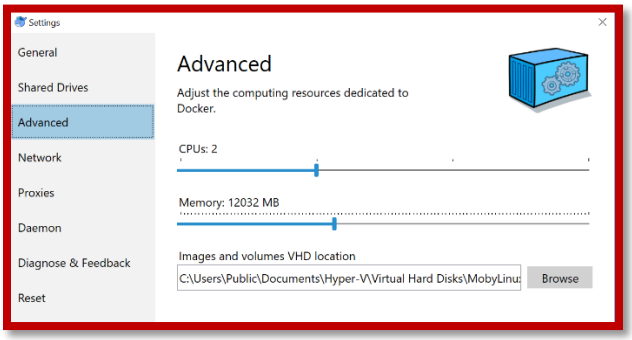
1. Task Manager > Performance



2. Docker need virtualization enable.
    a. Enabling virtualization in BIOS

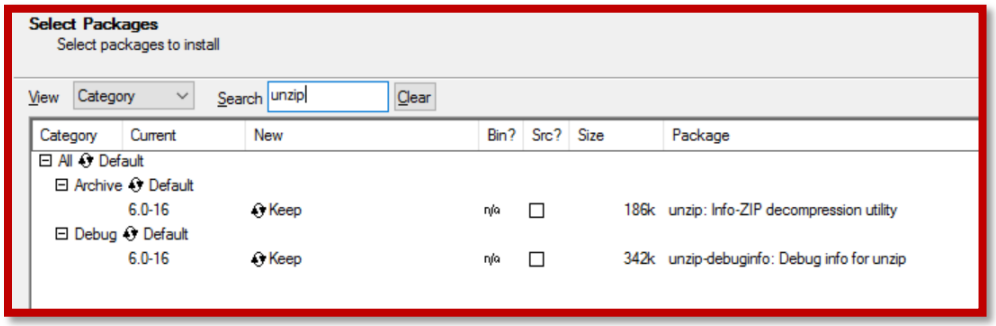
Increase Memory and CPU's in Docker

3. Settings > Advanced

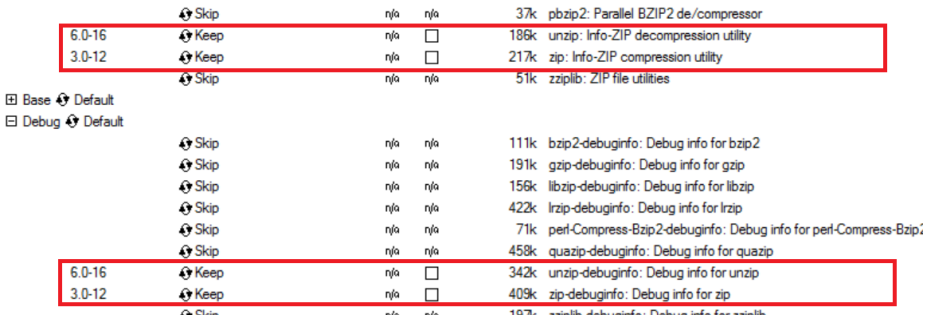


Cygwin Installation

1. Download Cygwin from
    a. https://cygwin.com/install.html
2. Install the unzip package



3. And ZIP



Install CBF2

Download and Install

1. Download CBF2 from

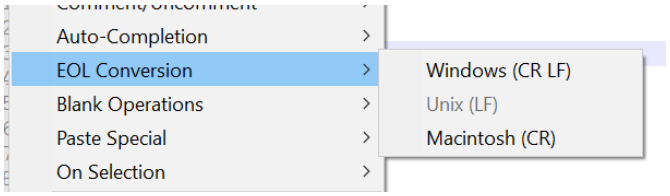
   https://github.com/webdetails/CBF2

2. Unzip and copy to your machine "..\cbf2"
3. Edit softwareToCoreImage.sh
   - ..\cbf\softwareToCoreImage.sh
   - change line 178 from
     - <installpath>$targetDir</installpath>
       to:
     - <installpath>../../pentaho/pentaho-server/pentaho-solutions/system</installpath>

Check all files *.sh are encode Unix.

Open on Notepad++ all files *.sh ("..\cb2" and "..\cbf2\dockerfiles\scripts")

- Edit > EOL Conversion



Check if Java, Zip & Unzip is installed (in Cygwin)

- java -version
- zip
- unzip

Download & Copy licenses

- Copy licenses to "..\cbf2\licenses"

Download & Copy Pentaho Server and Plugins

1. Copy Pentaho Software to "..\cbf2\software\x.x.x" (ex. 7.0.0 you need this format 3 digits)
2. You can find the downloads in the Pentaho Support Portal (Archive Build)

Create Core Image

Create the Core Image, Software

- In Cygwin: cd to your cbf2 folder cd /cygdrive/c/<add-here-the-path-to-cbf2>
- Make sure you don't have any PostgreSQL server running
- Run command "./cbf2.sh"
  - Select "A" – add new image
  - Chose the server you need

```
> Select an entry number, [A] to add new image or [C] to create new project: A


Servers found on the software dir:
 [0]: pentaho-server-ee-7.0.0.0-25-dist.zip

Choose the server to install [0]:
```

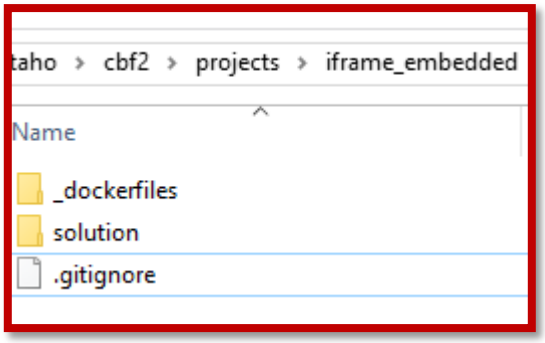
  - When appear the EULA text – press "Q" and "Y"

- Core Image with Pentaho server is now created

Create Project

Download & Copy Project Solution

1. Open the Github project release
2. Download **peps_master_cbf2.zip**
3. Unzip it
4. Copy project to "..\cbf2\projects"



Create the Project Image

1. Run command "./cbf2.sh"
   a. Select "C" – create new project
   b. Chose the project and server you need

```
> Select an entry number, [A] to add new image or [C] to create new project: C

Choose a project to build an image for:

 [0] lumada-demo

> Choose project: 0

Select the image to use for the project

 [0] baserver-ee-7.0.0.0-25

> Choose image:
```

Create the Project Container

- Run command "./cbf2.sh"
  - Select image project
    - Launch a new container "L"
    - Debug mode "y"

Troubleshooting

Error	Possible solution
While launching the project (or server) after hitting yes for debugging, no logs are printed and nothing happens	• Check docker configuration (RAM) • Restart docker for windows, menu Reset. Restart docker. Wait for the traffic light to become green and indicate docker server started

Install using zip asset

This installation will run only with the default and Vantara themes. The extended samples are not included

Download the workshop material

1. Open the Github project release
2. Download **pentaho_embedded_local.zip**
3. Unzip the file
4. Copy the folder pentaho_embedded in your local Pentaho path:
    a. C:\Pentaho\server\pentaho-server\tomcat\webapps
5. I tested this version with 8.0 but should work also in 7.1 or previous

Enable Parameter Authentication for Pentaho Server

Now that your local environment is setup we need to change some configuration files.
This embedded sample will use username and password in the url to authenticate the user. In a real world project we would probably use a SSO mechanism or a token here.

1. Open the file
    a. C:\Pentaho\server\pentaho-server\pentaho-solutions\system\security.properties
2. Modify it as indicated below and save it

```
<!-- Modify Line 2 -->
requestParameterAuthenticationEnabled=true
```

Restart Pentaho Server

1. Run the file
    a. C:\Pentaho\server\pentaho-server\tomcat\bin\pentahoserverw.exe
2. Click Stop, then Start

Following the workshop

You can choose to edit the content of the js file in your machine (assets/js/pentaho_embedded_ws.js) or use the online editor (will store the code in sesion).

How to run the demo

Open your browser:

- Workshop: http://localhost:8080/pentaho_embedded/embedding_ws.html
- Embedded portal: http://localhost:8080/pentaho_embedded

The workshop include a lab that will guide you in discovering the embedded portal and its features